

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Bentwich, Itzhak	Art Unit:	I635
App. No.:	10/709,572	Examiner:	WOLLENBERGER, LOUIS V
Conf. No.:	3571	Title:	BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY OLIGONUCLEOTIDES AND USES THEREOF
Filing Date:	May 14, 2004		

**REPLACEMENT SEQUENCE LISTING UNDER 37 C.F.R. § 1.825(a)**

Dear Sir:

In compliance with 37 C.F.R. § 1.52(e), please find submitted herewith a replacement Sequence Listing filed pursuant to 37 C.F.R. § 1.825(a).

SEQ ID NOS: 10068178-10068183 are new, support for which can be found at paragraph 0496 of the application as originally filed.

SEQ ID NOS: 10068184-10068185 are new, support for which can be found at paragraph 0499 of the application as originally filed.

SEQ ID NOS: 10068186-10068193 and 10068306-10068307 are new, support for which can be found at paragraphs 0559-0579 of the application as originally filed.

SEQ ID NOS: 10068194-10068280 and 10068323-10068324 are new, support for which can be found at Figure 22 of the application as originally filed.

SEQ ID NOS: 10068281-10068285 are new, support for which can be found at Figure 24A of the application as originally filed.

SEQ ID NOS: 10068286-10068296 are new, support for which can be found at Figure 23A as originally filed.

SEQ ID NOS: 10068297-10068305 are new, support for which can be found at Figure 25D as originally filed.

SEQ ID NO: 10068308 is new, support for which may be found at Table 10, lines 738597-738604 of the application as originally filed. Table 10, lines 738594-738601 recites:

The GR12177 folded precursor RNA, herein designated GR FOLDED PRECURSOR RNA is naturally processed by cellular enzymatic activity into at least 5 separate GAM precursor RNAs

GAM355613 precursor RNA, GAM355614 precursor RNA, GAM345990 precursor RNA, GAM355615 precursor RNA and GAM355616 precursor RNA, herein schematically represented by GAM1 FOLDED PRECURSOR RNA through GAM3 FOLDED PRECURSOR RNA. Each GAM folded precursor RNA is a hairpin-shaped RNA segment, corresponding to GAM FOLDED PRECURSOR RNA of Fig. 8.

SEQ ID NOS: 6842315, 6863394, 6821380, 6769403, and 6826827, all of which were disclosed in the application as originally filed, represent the sequences of GAM355613, GAM355614, GAM345990, GAM355615, and GAM355616, respectively. GAM355613 (SEQ ID NO: 6842315) is located on the plus strand of human chromosome 19 at positions 58,901,318 to 58,901,402 (See Table 2\_A, lines 639,425-639,433). GAM355614 (SEQ ID NO: 6863394) is located on the plus strand of human chromosome 19 at positions 58,902,519 to 58,902,605 (See Table 2\_A, lines 639,521-639,529). GAM345990 (SEQ ID NO: 6821380) is located on the plus strand of human chromosome 19 at positions 58,903,813 to 58,903,818 (See Table 2\_A, lines 144,985-144,993). GAM355615 (SEQ ID NO: 6769403) is located on the plus strand of human chromosome 19 at positions 58,907,334 to 58,907,420 (See Table 2\_A, lines 639,617-639,625). GAM355616 (SEQ ID NO: 6826827) is located on the plus strand of human chromosome 19 at positions 58,908,413 to 58,908,500 (See Table 2\_A, lines 639,713-639,721).

SEQ ID NO: 10068308 (GR12177) represents the sequence of the plus strand of human chromosome 19 at positions 58,901,318 to 58,908,500 (See amended Table 10, lines 738,588-738,589). Therefore, SEQ ID NO: 10068308 (GR12177) is defined by the following (beginning at the 5' end): the sequence of GAM 355613 (SEQ ID NO: 6842315); the intervening 1116 base pairs between GAM355613 and GAM355614; the sequence of GAM355614 (SEQ ID NO: 6863394); the intervening 1204 base pairs between GAM355614 and GAM345990; the sequence of GAM345990 (SEQ ID NO: 6821380); the intervening 3437 base pairs between GAM345990 and GAM355615; the sequence of GAM355615 (SEQ ID NO: 6769403); the intervening 992 base pairs between GAM355615 and GAM355616; and the sequence of GAM355616 (SEQ ID NO: 6826827).

SEQ ID NOS: 10068309-10068313 are new, support for which can be found at paragraph 0452 as originally filed.

SEQ ID NOS: 10068314-10068319 are new, support for which can be found at paragraphs 0467-0469 as originally filed.

SEQ ID NOS: 10068320-10068322 are new, support for which can be found at paragraph 0471 as originally filed.

In view of the new sequences submitted herewith being supported by the application as originally filed, Applicant respectfully submits that the replacement Sequence Listing contains no new matter in accordance with 37 C.F.R. § 1.825(a).

Respectfully submitted,

POLSINELLI SHALTON FLANIGAN SUELTHAUS PC

Dated: January 30, 2007

By: /Teddy C. Scott, Jr., Ph.D./  
Teddy C. Scott, Jr., Ph.D.  
Registration No.: 53,573  
Customer No.: 37808

POLSINELLI SHALTON FLANIGAN SUELTHAUS PC  
180 N. Stetson Ave., Suite 4525  
Chicago, IL 60601  
312.819.1900 (main)  
312.873.3613 (direct)  
312.602.3955 (efax)  
tscott@pswslaw.com